|             | _                    |
|-------------|----------------------|
| FORM PTO    | -1390 (Modified      |
| (REV 11-98) | -1390 (Modified<br>) |
|             |                      |

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMAR

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

CONCERNING A FILING UNDER 35 U.S.C. 371

112740-190

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

09/830,623

| NTER | NATIONAL APPLICATION NO. |
|------|--------------------------|
| g.   | PCT/DE99/03365           |

INTERNATIONAL FILING DATE
27 October 1999

PRIORITY DATE CLAIMED

27 October 1998

TÎTLE OF INVENTION

| R. | AKE | RECEIVER  | FOR TEL | LECOMMUN | JICATIONS | SYSTEM |
|----|-----|-----------|---------|----------|-----------|--------|
|    |     | MECEI VEN | TOK IEL |          |           |        |

|       |             | T(s) FOR DO/EO/US   |
|-------|-------------|---|
| Dr, I | Keini       | hold Braam et al.   |
|       |             | herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |
| Appı  | icant       |   |
|       |             | This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.  |
| 2.    | <b>\B</b>   | This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.   |
| 3.    |             | This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). |
| 4.    | $\boxtimes$ | A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.   |
| 5.    |             | A copy of the International Application as filed (35 U.S.C. 371 (c) (2))  |
|       |             | a.  is transmitted herewith (required only if not transmitted by the International Bureau).   |
|       |             | b.   has been transmitted by the International Bureau.  |
|       |             | c. $\square$ is not required, as the application was filed in the United States Receiving Office (RO/US).   |
| 6.    |             | A translation of the International Application into English (35 U.S.C. 371(c)(2)).  |
| 7.    |             | A copy of the International Search Report (PCT/ISA/210).  |
| 8.    |             | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))   |
|       |             | a.   are transmitted herewith (required only if not transmitted by the International Bureau).   |
|       |             | b.  have been transmitted by the International Bureau.  |
|       |             | c. $\square$ have not been made; however, the time limit for making such amendments has NOT expired.  |
|       |             | d.  have not been made and will not be made.  |
| 9.    |             | A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).   |
| 10.   | $\boxtimes$ | An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).   |
| 11.   |             | A copy of the International Preliminary Examination Report (PCT/IPEA/409).  |
| 12.   |             | A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).   |
| It    | ems 1       | 3 to 20 below concern document(s) or information included:  |
| 13.   |             | An Information Disclosure Statement under 37 CFR 1.97 and 1.98.   |
| 14.   | $\boxtimes$ | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |
| 15.   |             | A FIRST preliminary amendment.  |
| 16.   |             | A SECOND or SUBSEQUENT preliminary amendment.   |
| 17.   |             | A substitute specification.   |
| 18.   |             | A change of power of attorney and/or address letter.  |
| 12.   | $\boxtimes$ | Certificate of Mailing by Express Mail  |
| 20.   | $\boxtimes$ | Other items or information:   |
| ₹     |             | Copy of Form PCT/DO/EO/905 (March 2001) one month extension fee of \$110.00   |
|       |             |   |

| U.S. APPLICATION NO. 100 OWN, SEE 37 CFR INTERNATIONAL APPL ON NO. 109/830,623 PCT/DE99/05365 |  |  | ATTORNEY'S DOCKET NUMBER 112740-190 |         |                           |                   |
|---|--|--|-------------------------------------|---------|---------------------------|-------------------|
|   | lowing fees are submitted:   | TCT/DE   | 03303                               |         |                           | S PTO USE ONLY    |
|   | L FEE ( 37 CFR 1.492 (a) (1) -   | (5)):  |                                     |         | CALCULATION               | 5 PIO USE ONLY    |
| ☐ Neither inter   | mational preliminary examination<br>search fee (37 CFR 1.445(a)(2) pional Search Report not prepared | fee (37 CFR 1.482) nor baid to USPTO                       | \$1,00                              | 0.00    |                           |                   |
| ☐ International USPTO but   | preliminary examination fee (37 Internation Search Report prepare                                    | CFR 1.482) not paid to ed by the EPO or JPO                | \$86                                | 0.00    |                           |                   |
| ☐ International   | preliminary examination fee (37 onal search fee (37 CFR 1.445(a))                                    | CFR 1.482) not paid to US                                  | SPTO                                | 0.00    |                           |                   |
| ☐ International but all claim   | preliminary examination fee paid s did not satisfy provisions of PC                                  | l to USPTO (37 CFR 1.482<br>T Article 33(1)-(4)            | ?)<br>\$69                          | 0.00    |                           |                   |
| ☐ International and all claim   | preliminary examination fee paid satisfied provisions of PCT Art                                     | l to USPTO (37 CFR 1:482 icle 33(1)-(4)                    | ?)<br>\$10                          | 0.00    | -                         |                   |
|   | ENTER APPROPRIA  | ATE BASIC FEE A  | MOUNT =                             |         | \$0.00                    |                   |
| Surcharge of \$130.0 months from the ear  | 0 for furnishing the oath or decla liest claimed priority date (37 CF                                |  | □ 20 🖾 30                           | )       | \$130.00                  |                   |
| CLAIMS  | NUMBER FILED   | NUMBER EXTRA   | RATE                                |         |                           |                   |
| Total claims  | - 20 =   | 0  | x \$18.00                           | 0       | \$0.00                    |                   |
| ndependent claims   | - 3=   | 0  | x \$80.00                           | 0       | \$0.00                    |                   |
| Multiple Dependen   | t Claims (check if applicable).  |  |                                     |         | \$0.00                    |                   |
|   |  | ABOVE CALCUL   |                                     | =       | \$130.00                  |                   |
| Reduction of 1/2 for nust also be filed ()  | filing by small entity, if applical<br>Note 37 CFR 1.9, 1.27, 1.28) (che                             | ole. Verified Small Entity eck if applicable).             | Statement                           |         | \$0.00                    |                   |
|   |  | SU   | UBTOTAL                             |         | \$130.00                  |                   |
| Processing fee of \$1 nonths from the ear   | <b>30.00</b> for furnishing the English t liest claimed priority date (37 CF)                        |  | 20 🗆 30                             | +       | - \$0.00                  |                   |
|   |  | TOTAL NATION   | NAL FEE                             | =       | \$130.00                  |                   |
| ee for recording the ccompanied by an a   | e enclosed assignment (37 CFR 1 appropriate cover sheet (37 CFR 3                                    | .21(h)). The assignment made 3.28, 3.31) (check if applied | ust be<br>cable).                   |         | \$0.00                    |                   |
|   |  | TOTAL FEES EN  | CLOSED                              | = [     | \$130.00                  |                   |
| V9/1E/EVV1 N  | KAYPABH 00000031 03030623  |  |                                     |         | Amount to be:<br>refunded | \$                |
| 01 FC:154   | 130.00   | OP   |                                     |         | charged                   | \$                |
| _ *   | the amount of \$130.00   | to cover the above fees is                                 |                                     | •       |                           |                   |
| -   | ge my Deposit Account No. c copy of this sheet is enclosed.  | in the amour   | nt of                               |         | to cover the abov         | e tees.           |
| ▼ The Commi   | ssioner is hereby authorized to ch   | arge any fees which may h                                  | e required or cre                   | dit an  | v overnavment             |                   |
| _   |  | A duplicate copy of this she                               | -                                   | on an   | , overpayment             |                   |
| NOTE: Where an :<br>.137(a) or (b)) mus   | appropriate time limit under 37 st be filed and granted to restore                                   | CFR 1.494 or 1.495 has nee the application to pending      | ot been met, a p<br>ng status.      | etitio  | n to revive (7) CFR       |                   |
| END ALL CORRE   | SPONDENCE TO:  |  |                                     | /7      |                           | The second second |
| William E. Vaugha<br>Bell, Boyd & Lloye   | an (Reg. No. 39,056)<br>d LLC  |  | SIGNATU                             | IRE     | - 4                       |                   |
| P.O. Box 1135   |  |  | William 1                           | E. Va   | ughan                     |                   |
| Chicago, Illinois 6   | 50690  |  | NAME                                |         | •                         | •                 |
|   |  |  |                                     |         |                           |                   |
|   |  |  | 39,056                              | ATIO    | N NITMBED                 |                   |
|   |  |  |                                     |         | N NUMBER                  |                   |
|   |  |  | Septemb                             | er 6, 1 | 2001                      |                   |
|   |  |  | DATE                                |         |                           |                   |

| FORM<br>(REV | PTO-139                                | ` '   | ENT OF COMMERCE PATENT AND TRADEMARK OFFICE   | A TOIGIET & DOCKET NOMBER                             |  |  |
|--------------|--|---|---|---|--|--|
| (•-          | TRANSMIT L LETTER TO THE UNITED STATES |   |   | 112740-190  |  |  |
| • .          |  | DESIGNATED/ELEC   | CTED OFFICE (DO/EO/US)  | U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR            |  |  |
|              |  |   | ING UNDER 35 U.S.C. 371   | 09/830,623  |  |  |
| INTE         |  | TIONAL APPLICATION NO. PCT/DE99/03365   | INTERNATIONAL FILING DATE 27 October 1999   | PRIORITY DATE CLAIMED  27 October 1998                |  |  |
| TITL         | E OF I                                 | INVENTION   | м   |   |  |  |
| RAI          | KE R                                   | ECEIVER FOR TELECO  | MMUNICATIONS SYSTEM   |   |  |  |
| _            |  |   |   |   |  |  |
|              |  | IT(S) FOR DO/EO/US  |   |   |  |  |
| Dr.          | Reinb                                  | hold Braam et al.   |   |   |  |  |
|              |  |   |   |   |  |  |
| Appl         | icant h                                | herewith submits to the United S  | States Designated/Elected Office (DO/EO/US) t   | the following items and other information:            |  |  |
| 1.           |  |   | of items concerning a filing under 35 U.S.C. 371  |   |  |  |
| 2.           | ×                                      |   | EQUENT submission of items concerning a filing  | -   |  |  |
| 3.           |  | examination until the expiration  | pegin national examination procedures (35 U.S.C<br>on of the applicable time limit set in 35 U.S.C. 3 | 371(b) and PCT Articles 22 and 39(1).                 |  |  |
| 4.           | ×                                      | A proper Demand for Internat  | ional Preliminary Examination was made by the   | e 19th month from the earliest claimed priority date. |  |  |
| 5.           |  | A copy of the International Ar  | pplication as filed (35 U.S.C. 371 (c) (2))   |   |  |  |
| i            |  | a.   is transmitted herewi  | ith (required only if not transmitted by the Inter  | rnational Bureau).                                    |  |  |
|              |  |   | by the International Bureau.  |   |  |  |
| í            |  | •   | e application was filed in the United States Reco   |   |  |  |
| 6.           |  |   | nal Application into English (35 U.S.C. 371(c)(   | (2)).   |  |  |
| 7.           |  | A copy of the International Sec   | • • •   |   |  |  |
| 8.           |  | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) |   |   |  |  |
|              |  |   | with (required only if not transmitted by the Inte  | ernational Bureau).                                   |  |  |
| ÷            |  |   | ed by the International Bureau.   |   |  |  |
|              |  |   | however, the time limit for making such amend   | Iments has NOT expired.                               |  |  |
|              |  |   | and will not be made.   |   |  |  |
| 9.           |  |   | nts to the claims under PCT Article 19 (35 U.S.   | C. 371(c)(3)).  |  |  |
| 10.          | $\boxtimes$                            |   | inventor(s) (35 U.S.C. 371 (c)(4)).   |   |  |  |
| 11.          |  |   | reliminary Examination Report (PCT/IPEA/409)  |   |  |  |
| 12.          |  | A translation of the annexes to (35 U.S.C. 371 (c)(5)).   | o the International Preliminary Examination Rep   | port under PCT Article 36                             |  |  |
| It           |  | 13 to 20 below concern docume   | ent(s) or information included:   |   |  |  |
| 13.          | <b>'</b> □                             |   | tatement under 37 CFR 1.97 and 1.98.  |   |  |  |
| 14.          | .⊠                                     | An assignment document for r  | recording. A separate cover sheet in compliance   | e with 37 CFR 3.28 and 3.31 is included.              |  |  |
| 15.          | · 🗆                                    | A FIRST preliminary amendm  | nent.   |   |  |  |
| 16.          |  | A SECOND or SUBSEQUEN   | NT preliminary amendment.   |   |  |  |
| 17.          |  | A substitute specification.   |   |   |  |  |
| 18.          |  | A change of power of attorney   | and/or address letter.  |   |  |  |
| 19.          | Ø                                      | Certificate of Mailing by Expre   | ess Mail  |   |  |  |
| 20.          | $\boxtimes$                            | Other items or information:   | ·   |   |  |  |
| •            |  | Copy of Form PCT/DO/EO/9 one month extension fee of \$1   |   |   |  |  |
| ,            |  | one month extension les 1   | 110.00  |   |  |  |
| -            |  |   |   |   |  |  |
|              |  |   |   |   |  |  |
|              |  |   |   |   |  |  |
|              |  |   |   |   |  |  |
|              |  |   |   |   |  |  |

|  | NU. (IF KNUWN, SEE 37 CFK<br>19/830_623   | PCT/DE99/033  |                      |                |                           | 740-190            |
|--|---|---|----------------------|----------------|---------------------------|--------------------|
|  | llow lees are submitted:.   |   | 4                    |                | CALCULATION               | S PTO USE ONLY     |
| BASIC NATIONA  Neither interpretations                 | L FEE ( 37 CFR 1.492 (a) (1) - rnational preliminary examination 1 search fee (37 CFR 1.445(a)(2) 1                       | r fee (37 CFR 1.482) nor paid to USPTO                      |                      |                | 0.12002                   |                    |
| and Internat   | ional Search Report not prepared  1 preliminary examination fee (37)  | by the EPO or JPO<br>CFR 1.482) not paid to                 |                      | 00.00          |                           |                    |
| USPTO but  | Internation Search Report prepare   | ed by the EPO or JPO CFR 1.482) not paid to USPTO           | )                    | 60.00          |                           |                    |
|  | onal search fee (37 CFR 1.445(a))<br>I preliminary examination fee paid<br>as did not satisfy provisions of PC            |   |                      | 10.00<br>90.00 |                           |                    |
| ☐ International  | I preliminary examination fee paid no satisfied provisions of PCT Art   | d to USPTO (37 CFR 1.482)                                   |                      | 00.00          |                           |                    |
| und an olam  |   | ATE BASIC FEE AM  | -                    |                | \$0.00                    |                    |
| Surcharge of \$130.0 months from the ear               | 00 for furnishing the oath or declarliest claimed priority date (37 CF  | ration later than 2<br>FR 1.492 (e)).                       | 0 🛛 3                | 30             | \$130.00                  |                    |
| CLAIMS   | NUMBER FILED  | NUMBER EXTRA  | RAT                  |                |                           |                    |
| Total claims   | - 20 =  | 0   | x \$18.              |                | \$0.00                    |                    |
| Independent claims                                     | - 3 = nt Claims (check if applicable).  | 0   | x \$80.              | 00             | \$0.00<br>\$0.00          |                    |
| Multiple Dependen                                      |   | ABOVE CALCULAT  |                      | =              | \$130.00                  |                    |
| Reduction of 1/2 for<br>must also be filed (           | r filing by small entity, if applical<br>Note 37 CFR 1.9, 1.27, 1.28) (che  | ble. Verified Small Entity Stateck if applicable).          | ement                |                | \$0.00                    |                    |
|  |   | SUB   | TOTAL                |                | \$130.00                  |                    |
| Processing fee of \$1 months from the ear              | 130.00 for furnishing the English teliest claimed priority date (37 CF  | translation later than 2<br>FR 1.492 (f)).                  | 0 🗆 3                | 30<br>+        | \$0.00                    |                    |
|  |   | TOTAL NATIONAL  | L FEE                |                | \$130.00                  |                    |
| Fee for recording th accompanied by an                 | e enclosed assignment (37 CFR 1 appropriate cover sheet (37 CFR )   | 3.28, 3.31) (check if applicabl                             | e).                  |                | \$0.00                    |                    |
|  |   | TOTAL FEES ENCL   | OSED                 | _=             | \$130.00<br>Amount to be: | \$                 |
|  | •   |   |                      |                | refunded<br>charged       | \$                 |
|  |   |   |                      |                | Charged                   | 3                  |
| Please char A duplicate                                | the amount of \$130.00  rge my Deposit Account No. e copy of this sheet is enclosed.  issioner is hereby authorized to ch | in the amount of  | ſ                    | redit an       | to cover the above        | ve fees.           |
| to Deposit   | Account No. 02-1818   | A duplicate copy of this sheet is                           | s enclosed.          |                | •                         |                    |
| NOTE: Where an 1.137(a) or (b)) mu                     | appropriate time limit under 37 st be filed and granted to restor   | CFR 1.494 or 1.495 has not be the application to pending st | een met, a<br>tatus. | petitio        | n to revive (77 CFF       |                    |
| SEND ALL CORRI   | ESPONDENCE TO:  |   |                      |                | Un                        | Mark State Comment |
| William E. Vaugh<br>Bell, Boyd & Lloy<br>P.O. Box 1135 | an (Reg. No. 39,056)<br>rd LLC  |   | SIGNAT               |                | 1/                        |                    |
| Chicago, Illinois                                      | 60690   |   | William              | n E. Va        | aughan 🖋                  | <del></del>        |
| 2  |   |   | NAME                 |                |                           | •                  |
|  |   |   | 39,056               | D ATIO         | NI NI IMPER               |                    |
|  |   |   |                      |                | N NUMBER                  |                    |
|  |   |   | Septem<br>DATE       | per 6,         | 2001                      |                    |
|  |   |   | DATE                 |                |                           |                    |

Docket No. **CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)** Applicant(s): Dr. Reinhold Braam et al. 112740-190 Filing Date . Examiner Group Art Unit Serial No. April 27, 2001 09/830,623 RAKE RECEIVER FOR TELECOMMUNICATIONS SYSTEM Invention: I hereby certify that the following correspondence: Transmittal letter to the United States Designated/Elected office in duplicate, Form PCT/DO/EO/905, executed declaration and power of attorney, one month extension fee and late fee \$240.00, postcard (see attached envelope for executed assignment and fee) (Identify type of correspondence) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on September 6, 2001 (Date) 09/12/2001 MKAYPAGH 00000051 09830623 Printell Name of Person Stailing Correspondence) 03 FC:115 110.00 OP

Note: Each paper must have its own certificate of mailing.

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